

```
// Create Fibnocci sequence
```

```
#include <iostream>
using namespace std;
```

```
int main()
{
    int i, f, s, now, n;
    char more;

    do
    {
        cout << "\n\t\t Input first: ";
        cin >> f;
        cout << "\n\t\t second: ";
        cin >> s;
        cout << "\n\t\t Input position: ";
        cin >> n;

        for (i = 3; i <= n; i++) {
            now = f + s;
            f = s;
            s = now;
        }
        cout << "\n\t\t Integer " << now << " will be at positon " << n;
        cout << "\n\t\t Do more (Y/N) ? ";
        cin >> more;
    } while (more == 'y' || more == 'Y');
}
```

```
/* Create a diamond shape with any integer
```

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
{
    int n;
    char more;

    do
    {
        cout << "\n\t\t Input a size: ";
        cin >> n;
        for (int i = 0; i <= n; i++) {
            cout << "\n\t\t\t";
            for (int j = 0; j < n - i; j++)
                cout << ' ';
            for (int j = 0; j < i; j++)
```

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        cout << "* ";
    }
    cout << "\n\n\n\t\tDo more (Y/N) ? ";
    cin >> more;
} while (more == 'y' || more == 'Y');
}
*/

/* Create a diamond shape with all ODD number

#include <iostream>

using namespace std;

int main()
{
    int n;
    char more;

    do
    {
        cout << "\n\t\tInput an ODD size: ";
        cin >> n;
        for (int i = 0; i < n / 2 + 1; i++) {
            cout << "\n\t\t\t";
            for (int j = 0; j < n / 2 - i; j++)
                cout << ' ';
            for (int j = 0; j < 2 * i + 1; j++)
                cout << "*";
        }
        cout << "\n\n\n\t\tDo more (Y/N) ? ";
        cin >> more;
    } while (more == 'y' || more == 'Y');
}
*/

```